

0590  
0731  
#11



ENTERED

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/902,481A

DATE: 08/06/2002 1.6  
TIME: 17:10:06

Input Set : A:\A70586-1.ST25.txt

Output Set: N:\CRF3\08062002\I902481A.raw

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3 <110> APPLICANT: Springer, Timothy
4      Shimaoka, Motomu
5      Shifman, Julia
6      Mayo, Stephen
8 <120> TITLE OF INVENTION: NOVEL PROTEINS WITH INTEGRIN-LIKE ACTIVITY
10 <130> FILE REFERENCE: A-70586-1/RFT/RMS/RMK
12 <140> CURRENT APPLICATION NUMBER: US 09/902,481A
13 <141> CURRENT FILING DATE: 2001-07-09
15 <150> PRIOR APPLICATION NUMBER: US 60/216,600
16 <151> PRIOR FILING DATE: 2000-07-07
18 <160> NUMBER OF SEQ ID NOS: 7
20 <170> SOFTWARE: PatentIn version 3.1
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47      35          40          45
50 Gln Cys Asp Tyr Ser Thr Gly Ser Cys Glu Pro Ile Arg Leu Gln Val
51      50          55          60
54 Pro Val Glu Ala Val Asn Met Ser Leu Gly Leu Ser Leu Ala Ala Thr
55 65          70          75          80
58 Thr Ser Pro Pro Gln Leu Leu Ala Cys Gly Pro Thr Val His Gln Thr
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62 Cys Ser Glu Asn Thr Tyr Val Lys Gly Leu Cys Phe Leu Phe Gly Ser
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79          165          170          175
82 Ser Glu Glu Phe Arg Ile His Phe Thr Phe Lys Glu Phe Gln Asn Asn
83          180          185          190
86 Pro Asn Pro Arg Ser Leu Val Lys Pro Ile Thr Gln Leu Leu Gly Arg
87          195          200          205
90 Thr His Thr Ala Thr Gly Ile Arg Lys Val Val Arg Glu Leu Phe Asn
91          210          215          220
94 Ile Thr Asn Gly Ala Arg Lys Asn Ala Phe Lys Ile Leu Val Val Ile
95 225          230          235          240
98 Thr Asp Gly Glu Lys Phe Gly Asp Pro Leu Gly Tyr Glu Asp Val Ile
99          245          250          255
102 Pro Glu Ala Asp Arg Glu Gly Val Ile Arg Tyr Val Ile Gly Val Gly
103          260          265          270
106 Asp Ala Phe Arg Ser Glu Lys Ser Arg Gln Glu Leu Asn Thr Ile Ala
107          275          280          285
110 Ser Lys Pro Pro Arg Asp His Val Phe Gln Val Asn Asn Phe Glu Ala
111          290          295          300
114 Leu Lys Thr Ile Gln Asn Gln Leu Arg Glu Lys Ile Phe Ala Ile Glu
115 305          310          315          320
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123          340          345          350
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127          355          360          365
130 Glu Lys Ser Thr Phe Ile Asn Met Thr Arg Val Asp Ser Asp Met Asn
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134 Asp Ala Tyr Leu Gly Tyr Ala Ala Ala Ile Ile Leu Arg Asn Arg Val
135 385          390          395          400
138 Gln Ser Leu Val Leu Gly Ala Pro Arg Tyr Gln His Ile Gly Leu Val
139          405          410          415
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143          420          425          430
146 Lys Gly Thr Gln Ile Gly Ala Tyr Phe Gly Ala Ser Leu Cys Ser Val
147          435          440          445
150 Asp Val Asp Ser Asn Gly Ser Thr Asp Leu Val Leu Ile Gly Ala Pro
151          450          455          460
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155 465          470          475          480
158 Pro Arg Gly Gln Arg Ala Arg Trp Gln Cys Asp Ala Val Leu Tyr Gly
159          485          490          495
162 Glu Gln Gly Gln Pro Trp Gly Arg Phe Gly Ala Ala Leu Thr Val Leu
163          500          505          510
166 Gly Asp Val Asn Gly Asp Lys Leu Thr Asp Val Ala Ile Gly Ala Pro
167          515          520          525
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171          530          535          540
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183          580          585          590
186 His Val Leu Leu Leu Arg Ser Gln Pro Val Leu Arg Val Lys Ala Ile
187          595          600          605
190 Met Glu Phe Asn Pro Arg Glu Val Ala Arg Asn Val Phe Glu Cys Asn
191          610          615          620
194 Asp Gln Val Val Lys Gly Lys Glu Ala Gly Glu Val Arg Val Cys Leu
195 625          630          635          640
198 His Val Gln Lys Ser Thr Arg Asp Arg Leu Arg Glu Gly Gln Ile Gln
199          645          650          655
202 Ser Val Val Thr Tyr Asp Leu Ala Leu Asp Ser Gly Arg Pro His Ser
203          660          665          670
206 Arg Ala Val Phe Asn Glu Thr Lys Asn Ser Thr Arg Arg Gln Thr Gln
207          675          680          685
210 Val Leu Gly Leu Thr Gln Thr Cys Glu Thr Leu Lys Leu Gln Leu Pro
211          690          695          700
214 Asn Cys Ile Glu Asp Pro Val Ser Pro Ile Val Leu Arg Leu Asn Phe
215 705          710          715          720
218 Ser Leu Val Gly Thr Pro Leu Ser Ala Phe Gly Asn Leu Arg Pro Val
219          725          730          735
222 Leu Ala Glu Asp Ala Gln Arg Leu Phe Thr Ala Leu Phe Pro Phe Glu
223          740          745          750
226 Lys Asn Cys Gly Asn Asp Asn Ile Cys Gln Asp Asp Leu Ser Ile Thr
227          755          760          765
230 Phe Ser Phe Met Ser Leu Asp Cys Leu Val Val Gly Gly Pro Arg Glu
231          770          775          780
234 Phe Asn Val Thr Val Thr Val Arg Asn Asp Gly Glu Asp Ser Tyr Arg
235 785          790          795          800
238 Thr Gln Val Thr Phe Phe Pro Leu Asp Leu Ser Tyr Arg Lys Val
239          805          810          815
242 Ser Thr Leu Gln Asn Gln Arg Ser Gln Arg Ser Trp Arg Leu Ala Cys
243          820          825          830
246 Glu Ser Ala Ser Ser Thr Glu Val Ser Gly Ala Leu Lys Ser Thr Ser
247          835          840          845
250 Cys Ser Ile Asn His Pro Ile Phe Pro Glu Asn Ser Glu Val Thr Phe
251          850          855          860
254 Asn Ile Thr Phe Asp Val Asp Ser Lys Ala Ser Leu Gly Asn Lys Leu
255 865          870          875          880
258 Leu Leu Lys Ala Asn Val Thr Ser Glu Asn Asn Met Pro Arg Thr Asn
259          885          890          895
262 Lys Thr Glu Phe Gln Leu Glu Leu Pro Val Lys Tyr Ala Val Tyr Met
263          900          905          910
266 Val Val Thr Ser His Gly Val Ser Thr Lys Tyr Leu Asn Phe Thr Ala
267          915          920          925
270 Ser Glu Asn Thr Ser Arg Val Met Gln His Gln Tyr Gln Val Ser Asn
271          930          935          940

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274 Leu Gly Gln Arg Ser Leu Pro Ile Ser Leu Val Phe Leu Val Pro Val
275 945                      950                      955                      960
278 Arg Leu Asn Gln Thr Val Ile Trp Asp Arg Pro Gln Val Thr Phe Ser
279                      965                      970                      975
282 Glu Asn Leu Ser Ser Thr Cys His Thr Lys Glu Arg Leu Pro Ser His
283                      980                      985                      990
286 Ser Asp Phe Leu Ala Glu Leu Arg Lys Ala Pro Val Val Asn Cys Ser
287                      995                      1000                      1005
290 Ile Ala Val Cys Gln Arg Ile Gln Cys Asp Ile Pro Phe Phe Gly
291 1010                      1015                      1020
294 Ile Gln Glu Glu Phe Asn Ala Thr Leu Lys Gly Asn Leu Ser Phe
295 1025                      1030                      1035
298 Asp Trp Tyr Ile Lys Thr Ser His Asn His Leu Leu Ile Val Ser
299 1040                      1045                      1050
302 Thr Ala Glu Ile Leu Phe Asn Asp Ser Val Phe Thr Leu Leu Pro
303 1055                      1060                      1065
306 Gly Gln Gly Ala Phe Val Arg Ser Gln Thr Glu Thr Lys Val Glu
307 1070                      1075                      1080
310 Pro Phe Glu Val Pro Asn Pro Leu Pro Leu Ile Val Gly Ser Ser
311 1085                      1090                      1095
314 Val Gly Gly Leu Leu Leu Leu Ala Leu Ile Thr Ala Ala Leu Tyr
315 1100                      1105                      1110
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336 ttcaacttgg aactgaaaa cgcaatgacc ttccaagaga acgcaagggg cttcgggcag 180
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356 ccaataacgc agctgcttgg gcggacacac acggccacgg gcatccgcaa agtggtacga 780
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360 acggatggag aaaagtttgg cgatcccttg ggatatgagg atgtcatccc tgaggcagac 900
362 agagaggagg tcatcgcta cgtcattggg gtgggagatg cttccgcag tgagaaatcc 960
364 cgccaagagc ttaataccat cgcacccaag ccgcctcgtg atcacgtgtt ccaggtgaat 1020
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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/06/2002  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 3,4,5,6

VERIFICATION SUMMARY

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Input Set : A:\A70586-1.ST25.txt

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